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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/839,152	04/23/2001	Eung-Sun Chun	P56369	1600

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EXAMINER

MCLEAN MAYO, KIMBERLY N

ART UNIT	PAPER NUMBER
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2187

DATE MAILED: 10/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/839,152

Applicant(s)

CHUN, EUNG-SUN

Examiner

Kimberly N. McLean-Mayo

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-67 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-25 and 35-63 is/are allowed.
- 6) ☒ Claim(s) 26-29, 34, 64, 66 and 67 is/are rejected.
- 7) ☒ Claim(s) 30-33 and 65 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 April 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. The enclosed detailed action is in response to the Application submitted on April 23, 2001.

Priority

2. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in the Korean Industrial Property Office on December 1, 2000. It is noted, however, that applicant has not filed a certified copy of the application as required by 35 U.S.C. 119(b).

Drawings

3. Figure 1 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.121(d)) so as not to obstruct any portion of the drawing figures. If the examiner does not accept the changes, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

4. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Objections

5. Claim 18 is objected to because of the following informalities:

Claim 18, line 1 “he apparatus of claim 1” should state “The apparatus of claim 1”. Appropriate correction is required.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 26-29, 34, 64 and 66-67 are rejected under 35 U.S.C. 102(e) as being anticipated by Chisholm (USPN: 6,697,970).

Regarding claims 26, 29 and 64, Chisholm discloses a management information system outputting alarm information corresponding to an alarm event (Figure 2; C 5, L 61-67); an alarm management host computer managing the alarm information received from the management information system (Figure 3, Reference 28 – NMS); a plurality of alarm managers (Figure 3, References 14) being connected to the alarm management host computer, the plurality of alarm managers reading the alarm information when the alarm information is not cleared (reading via the NE-MIBs; Figure 5C), the plurality of alarm managers including a first alarm manager (Figure 3, Reference 14A); the alarm management host computer having a first data table for storing the alarm information when the alarm information is not cleared (Figure 3, Reference 22,

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EMS MIB), a second data table for storing the alarm information when the alarm information is cleared (Figure 3, Reference 28, NMS IS), the alarm management host computer storing the alarm information in the first data table when the alarm information is not cleared, the alarm management host computer removing the alarm information from the first data table and storing the alarm information in the second data table when the alarm information is cleared (C 6, L 54-67; C 7, L 17-45; the alarm clear notification is a part of the alarm information stored in the first data table/EMS MIB, [refer to Figure 5B, Reference 78; C 6, L 17-19, C 6, L 54-65] this information is removed from EMS MIB and sent to NMS IS to indicate to NMS to update its table), the alarm information being cleared when the alarm event ends (C 6, L 59-60).

Regarding claim 27, Chisholm discloses the alarm information being not cleared when the alarm event has not ended and the alarm information being cleared when the alarm event ends (C 5, L 15-20; C 6, L 66-67; C 7, L 1-45).

Regarding claim 28, Chisholm discloses the management information system outputting an alarm clear signal corresponding to the end of the alarm event (C 6, L 4; C 6, L 59-60).

Regarding claim 34, Chisholm discloses the EMS and NMS controlling the NE and thus it is evident that the controllers relay information [relating to its operations such as alarm management, thereby alarm information] to the NEs (C 5, L 42-43; C 6, L 31-35).

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Regarding claim 66, Chisholm discloses creating a plurality of listener data tables (Figure 5C; Reference 52A-52C; C 6, L 42-46), each one of the listener data tables corresponding to one respective alarm manager (NE in Figure 3) selected from among a plurality of alarm managers (Figure 3, References 14), each one having a unique name (NE identifier; Figure 5B; Reference 75; C 6, L 14-15); detecting whether the alarm managers are operating normally (C 6, L 54-58; operating normally is operating in an active alarm state); registering (Figure 5B, Reference 75; the NE identifier is stored in the table) in a broadcasting list data table (Figure 5B, Reference 22) the unique name identifying the listener tables corresponding to the alarm managers that are detected to be operating normally (C 6, L 1-3); when an alarm event is generated in the network, storing first alarm information in the listener data tables corresponding to the names registered in the broadcasting list data table and reading the first alarm information from the listener data tables by the corresponding alarm managers (C 6, L 66-67; C 7, L 1-10).

Regarding claim 67, Chisholm discloses periodically detecting whether the alarm managers are operating normally (via notifications) and removing from the broadcasting table (EMS-MIS table, Figure 3, Reference 22 and Figure 5B) the names of listener data tables corresponding to the alarm managers that are detected to be not operating normally (operating not normally is operating in a non-active alarm state) (C 7, L 17-38).

Allowable Subject Matter

8. Claims 1-25 and 35-63 are allowed.

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9. Claims 30-33 and 65 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kang – PGPUB: US 2002/0069199 – managing alarm information in a network.

Sundaram – USPN: 6,564,341 – alarm network management.

Scrandis – USPN: 6,414,595 - alarm network management

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly N. McLean-Mayo whose telephone number is 703-308-9592. The examiner can normally be reached on M (10:00 - 6:30); Tues, Thr (10:00 - 4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Sparks can be reached on 703-308-1756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KIMBERLY MCLEAN-MAYO
PRIMARY EXAMINER

Kimberly N. McLean-Mayo
Examiner
Art Unit 2187

KNM



September 29, 2004